

Feather River Hatchery Water Treatment System

- Hatchery Use Needs: 40 cfs (26 mgd)
- Primary Concerns: IHN, C. Shasta, BKD
- Goal: Minimize potential for disease outbreak at the FRH.

Preliminary Cost Estimates for Equipment Installation

<u>Treatment/Description</u>	<u>Approximate Costs</u>
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|-----------------|----------------|
| • UV only | \$ 3.3 million |
| • Ozone with UV | \$ 5.7 million |

* These cost estimates include the necessary treatment equipment, equipment housing (i.e. simple concrete housing/building for the system), and system connections (i.e., basic plumbing and electrical hook-ups).

Considerations:

- The reliability of UV equipment has proven fairly effective for treating BKD, whirling disease, and *Cryptosporidium*, however **UV only** systems may not be an adequate treatment for IHN.
- Ozone with UV technology appear to be fairly reliable in effectively treating IHN, BKD, and C. Shasta.

Conclusion:

- To minimize the potential for disease outbreak at the FRH, Ozone with UV technology would appear to be the most reliable treatment.